

Curriculum Vitae

STUART B. GOODMAN, M.D., PH.D.

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DATE & PLACE OF BIRTH

NATIONALITY

MARITAL STATUS

LANGUAGES

English; limited reading comprehension and speaking
ability in French and Spanish

PREMEDICAL EDUCATION

University of Toronto, Faculty of Arts & Science -
B.Sc. awarded

Forest Hill Collegiate Institute, Toronto, Canada

MEDICAL EDUCATION

University of Toronto, Faculty of Medicine, M.D.
awarded ---

Internship, Toronto General Hospital

Resident, Orthopaedic Surgery, University Of
Toronto, Toronto, Canada

Research Fellow, Hospital For Sick Children,
Toronto. Supervisors: ---

Master Of Science, --- Institute Of Medical Science,
University Of Toronto, Toronto, Canada

- Orthopaedic Arthritis & Trauma Fellow, Wellesley Hospital & Sunnybrook Medical Centre, Toronto, Canada. Supervisor: ---
- University of Lund Sweden, Ph.D. awarded --- in Medical Science, Lund University
Supervisors: --- Thesis: The effects of micromotion and particulate materials on tissue differentiation.

ACADEMIC POSITIONS

- August 1985 - December 1985 Acting Assistant Professor, Stanford University;
Attending Orthopaedic Surgeon - Stanford University Medical Center, and Consulting Orthopaedic Surgeon Palo Alto Veteran's Hospital & Children's Hospital at Stanford.
- December 1985 - December 1992 Assistant Professor, Stanford University; Attending Orthopaedic Surgeon - Stanford University Medical Center, and Consulting Orthopaedic Surgeon Palo Alto Veteran's Hospital & Children's Hospital at Stanford.
- January 1986 - June 1990 Chief Of Orthopaedic Trauma
Stanford University Medical Center

Assistant Director of Surgical Arthritis Unit - Stanford University Medical Center
- 1990 - Present Associated Faculty - Biomechanical Engineering Program, Mechanical Engineering Department
Stanford University
- June 1990 - Present Co-Director of Surgical Arthritis Unit - Stanford University Medical Center
- December 1992 to 1998 Associate Professor with Tenure - Department of Functional Restoration, Division of Orthopaedic Surgery, Stanford University
- February 1994 to 2002 Head, Division of Orthopaedic Surgery
Stanford University Medical Center
Director of Orthopaedic Residency Program
Stanford University Medical School -(until 2000)
Chief of Orthopaedic Outpatient Clinic

	Stanford University Medical School
January 1997 to 2002	Associate Chairman, Department of Functional Restoration, Stanford University
June, 1998 to 2002	Professor-Department of Functional Restoration, Division of Orthopaedic Surgery, Stanford University
August 2001-July 2002	Visiting Professor of Orthopaedic Surgery, University of Toronto
2002 to present	Professor-Department of Orthopaedic Surgery, Stanford University

MEDICAL LICENSURE

---	Licentiate - Medical Council of Canada
---	Licentiate - State Of Michigan, U.S.A. (FLEX Completed)
---	Fellow Royal College Of Physicians & Surgeons (Canada)
---	Specialized Certification in Orthopaedic Surgery
	Licentiate - State Of California
	Provider - Advanced Trauma Life Support, American College Of Surgeons
---	Instructor - Advanced Trauma Life Support, American College Of Surgeons
---	Diplomat Of The American Board Of Orthopaedic Surgery
----	Fellow - American College Of Surgeons
---	Fellow - American Academy Of Orthopaedic Surgeons
---	Re-certification - American Board of Orthopaedic Surgery

MEMBERSHIP OF SCIENTIFIC & PROFESSIONAL ORGANIZATIONS

Resident's Committee - Orthopaedic Surgery, University Of Toronto, Canada: 1979 - 1984 President:
1983 - 1984

Royal College Of Physicians & Surgeons Of Canada

College Of Physicians & Surgeons Of Ontario, Canada

Canadian Orthopaedic Association

Ontario Medical Association

Canadian Medical Association

American College Of Surgeons

American Academy Of Orthopaedic Surgeons

California Orthopaedic Association

Santa Clara Orthopaedic Association

Orthopaedic Research Society

California Medical Association

Santa Clara Medical Association

Orthopaedic Trauma Association

Society For Biomaterials

AO/ASIF North American Faculty Member

Academic Orthopaedic Society

Association of Bone and Joint Surgeons

Knee Society

American Orthopaedic Association

AWARDS

Ontario Scholar, Forest Hill Collegiate Institute,
Toronto, Canada

---	Honor Roll - University College, University Of Toronto, Toronto, Canada
1975 - 1978	F.B.G. Wilson Bursary Award, Faculty Of Medicine, University Of Toronto, Canada
1978	International Grenfell Association Elective: St. Anthony, Newfoundland, Canada
1982	Canadian Orthopaedic Resident's Association, Banff, Alberta. Basic Research Prize. "The Response Of Skeletal Muscle To Chronic Intermittent Electrical Stimulation."
1983	Davis & Geck Award - 1st Prize Toronto Resident Paper - "Wagner Resurfacing Arthroplasty Of The Canine Hip."
1984	Davis & Geck Award - 1st Prize Toronto Resident Paper - "The Response Of Skeletal Muscle To Chronic Intermittent Electrical Stimulation."
1986 - 1988	Zimmer Research Award, Orthopaedic Research & Education Foundation: "The Effect Of Different Biomaterials On Bone."
1994	AOA Zimmer Bristol-Myers Award: Comstock, van der Meulen and Goodman. "Biomechanical comparison of posterior internal fixation techniques for unstable pelvic fractures."
1995	Co-Author, Resident Research Award, Northern California Branch of the Western Orthopaedic Association, Comstock, Van der Meulen and Goodman. "Biomechanical comparison of posterior internal fixation techniques for unstable pelvic fractures."
1995	Vernon P. Thompson Award, Western Orthopaedic Association: Comstock, Van der Meulen and Goodman. "Biomechanical comparison of posterior internal fixation techniques for unstable pelvic fractures."
1995	Best Slide Presentation, Association of Bone and Joint Surgeries Annual Meeting, Indianapolis, IN. "Mechanism of Tissue Ingrowth and Differentiation in

the Bone Harvest Chamber in the Presence of CoCr and Polyethylene Particles."

- 1997 Young Investigator Award Winning Paper
---.; Goodman S.B.; ---; The Effects of Signal Transduction Inhibitors on Macrophage Activation In Vitro: Requirements for Tyrosine Kinase Activity. 43rd Annual Meeting, Orthopaedic Research Society, 1997.
- 1997 Finalist, Young Investigator Award ----; Goodman S.B.;---: Opsonization of Particulate Debris: Protein Identification by 2-D Gel Analysis. 43rd Annual Meeting, Orthopaedic Research Society, 1997.
- 1997 Excellence Award Paper -----; Goodman S.B.;---: The Expression of Monocyte Chemoattractant Protein-1 (MCP-1) in Particle-Activated Macrophages in Vitro. 23rd Annual Meeting of the Society of Biomaterials, 1997.
- 1998 New Investigator Research Award ----, Goodman SB,---: Signaling Pathways of Particulate Debris-Induced Cytokine Expression in Human Macrophages: Involvement of CD 11b/CD-18-Mediated Pathways. 3rd Combined Orthopaedic Research Societies Meeting. Hamamatsu, Japan.
- 1999 Co-Author – Student Award for Outstanding Research in the Masters Degree Category (Awarded to ---), Society For Biomaterials. Interferon-gamma exacerbates polymethylmethacrylate particle induced interleukin-6 release by human monocyte/macrophages in vitro.
- 2000 Clemson Award for Basic Research, Society For Biomaterials.
- 1992, 2000, 2001 Top Doctors in the Bay Area
San Francisco Focus Magazine 1992
San Jose Magazine 2000,2002,2004
San Francisco Magazine 2001
Top Doctors In America 2001,2002,2003,2004
- 2001 Orthopaedic Special Interest Group Student Award - 1st Prize, Society For Biomaterials. ---, Stuart B. Goodman: Nitric Oxide, Peroxynitrite, and Apoptosis

in Osteolysis and Aseptic Loosening of Total Hip Replacement.

- 2003 Co-Author- Best Paper Student Award – Stanford University School of Medicine Research Symposium ---, Goodman S, ---: A novel murine model of biomaterial induced osteolysis: expression of the chemokine MCP-1 and the pro-inflammatory cytokines IL-1 beta and IL-6.
- 2004 To be inducted as a Fellow, Biomaterials Science and Engineering (FBSE) by the International Union of Societies, Biomaterials Science and Engineering in Sydney, Australia on May 17, 2004.

PUBLIC SERVICE and COMMITTEES

1. Resident's Committee - Orthopaedic Surgery, University of Toronto, Canada 1979-1984 and President of Resident's Committee 1983-1984
2. Provider: Advanced Trauma Life Support, American College of Surgeons 1982
3. Ad Hoc Trauma Committee, Stanford University Medical Center 1985-1989
4. Quality Assurance Trauma Committee, Stanford University Medical Center 1989-1990
5. Trauma Operations Committee Stanford University Medical Center 1989-1990
6. Member - Resident Review Committee, Division of Orthopaedic Surgery, Stanford University Medical Center 1985-1988
7. Credentials Committee for Orthopaedic Surgery, Stanford University Medical Center 1985-1988
8. Orthopaedic Council - Stanford University Medical Center 1985 - present
9. Instructor: Advanced Trauma Life Support, American College of Surgeons 1986
10. Surgical Pharmacy Committee, Stanford University Medical Center 1989
11. Surgical Quality Assurance Committee, Stanford University Medical Center 1989 - 1997
12. Disaster Committee - Stanford University Medical Center 1989-1990
13. Stanford University Medical Center - Faculty Practice Plan Finance Committee 1990 - 1992

14. Stanford University Medical Center - Operating Room Medical Committee 1990 +
15. Search Committee For Assistant Professor - Department Of Emergency Medicine 1990
16. Surgical Planning Committee - Department of Surgery, Stanford University 1990
17. Stanford University Representative to California Medical Association Advisory Council in Orthopaedic Surgery 1990- 1997
18. Stanford University Medical Center Strategic Planning and Development Committee, Faculty Practice Program 1993
19. Stanford University Faculty Advisory Group: Sponsored Projects Administration 1993
20. Stanford University Medical Center-Chairman, Advisory Group, Department of Rehabilitative Services 1993 - 1995
21. Conference Moderator: Orthopaedic Research Society, European Orthopaedic Research Society, Society for Biomaterials, ASTM, 1992, 1993, 1994.
22. Member of Site visit team - Medical Research Council of Canada, March 25, 1994.
23. Study Group, Program of Excellence in Orthopaedic Biomaterials, National Institute of Health, 1994.
24. Member-Administrative Panel on Laboratory Animal Care, Stanford University, 1994-1997.
25. Operations Improvement Committee, Stanford University Medical Center, April-May 1995.
26. Co-Chairman (with Tim Wright, Ph.D.), AAOS and NIH sponsored workshop, "Considerations of Implant Wear for the Future of Total Joint Replacement", Oak Brook, Illinois, September 22-24, 1995.
27. Member - Stanford Faculty Practice Group - Affiliated Groups and Prepaid Care Committee, 1996.
28. Member, Search Committee - Pediatric Rheumatologist, LSPCH at Stanford University, 1997.
29. Member - Contracts and Affiliated Groups Subcommittee, Stanford Hospital, 1997.
30. Member - Search Committee for Hand Surgery Faculty Member, Stanford University, 1997.
31. Research Committee - Academic Orthopaedic Society, 1997.
32. Research Committee - American Association of Hip and Knee Surgeons, 1997.
33. Department of Veterans Affairs (VA) Merit Review Subcommittee for Surgery, Medical Research Service. Washington DC. Appointed March 1997.
34. Annual Meeting Task Force Committee, Society For Biomaterials, 1997-1998.

35. Council Member, Society For Biomaterials 1997-1998.
36. Annual Meeting Program Chairman, Society For Biomaterials 1998.
37. Chairman, Dean's Advisory Committee on the Veterinary Service Center, Stanford University. 1997-2000.
38. Lecturer - Six Annual Transition to Residency Conference - Stanford University Medical School, May 16, 1998.
39. Biomedical Engineering Committee - American Academy of Orthopaedic Surgeons Appointed October, 1998, Member 1998-2005.
40. Program Committee-Society For Biomaterials Meeting, 1999.
41. Advisory Group For the Subacute Care Services Integrated Delivery. Team Project-Stanford University 1999.
42. Program Committee – World Congress For Biomaterials Meeting 2000.
43. Long-Range Planning Committee – Society For Biomaterials 1998, 1999, 2000.
44. Stanford University Medical Center - Operating Room Ad Hoc Subcommittee 1999+.
45. Nominating Committee, Association of Bone and Joint Surgeons, 1999.
46. Curriculum Committee – Institute of Bioengineering. Stanford University, 2000.
47. Bioengineering and Biomaterials Panel – American Academy of Orthopaedic Surgery, 2000-2.
48. Chairman, Long Range Planning Committee, Society For Biomaterials, 2000-1.
49. Program Committee, Society For Biomaterials, 2000-1.
50. President-elect, Society For Biomaterials, 2000-1.
51. Board of Directors, Society For Biomaterials, 2000-4.
52. Council Member, Society For Biomaterials, 2000-4.
53. Awards, Ceremonies and Nominating Committee - Society For Biomaterials 2000-1.
54. Grant Review Committee - Orthopaedic Research Education Foundation 2000-1.
55. Advisory Council for Orthopaedic Surgery - American College of Surgeons 2001-4.
56. President - Society For Biomaterials, 2001-2.

57. Chairman - Meeting's Committee - Society For Biomaterials 2001-2.
58. Surgical Forum Committee - American College of Surgeons 2001-7.
59. External Reviewer and PhD Committee Member, Department of Biomedical Engineering, McGill University, Montreal Canada. Jan 22, 2002. Candidate: Isabelle Catelas
60. Grant Reviewer - Canadian Institute of Health Research 2002
61. Board of Directors (Member-at-Large) – Orthopaedic Research Society – 2002-4
62. Immediate Past President – Society for Biomaterials 2002-3
63. Grant Reviewer for the University Grants Committee, Research Grants Council, Hong Kong 2002
64. Grant Reviewer for the Biomedical Research Council of Singapore 2002
65. Grant Reviewer for NIAMS 2002
66. Course Co-chairman – The Role of Cement in Fracture Management. Stanford University, November 8-9, 2002.
67. Grant Reviewer for Chief Scientist Office Scotland 2002
68. Biodesign Leadership Group – Stanford University 2000-2003
69. Research Committee Stanford University Department of Orthopaedic Surgery 2003+
- 70.. Member-The Stanford Breakthrough Collaborative: Operation Excellence in Orthopaedic Surgery, Stanford University, 2003-4.
71. The Stanford Breakthrough Collaborative: Operation Excellence in Perioperative Services, Stanford University, 2003-4.
72. Press Conference: It All Starts With Research. Orthopaedic Research Society/American Academy of Orthopaedic Surgeons. March 10, 2004.
73. Future of Surgery Committee – Stanford University Medical Center. 2004

VISITING PROFESSORSHIPS and MAJOR INVITED LECTURES

1. Invited Lecturer: November 19, 1990
Harrington Arthritis Research Symposium
Scottsdale, Arizona
2. Visiting Assistant Professor: August - November 1991
University of Lund, Lund, Sweden

3. Invited Lecturer: September 2, 1991
Fifth International Conference on Surface Technologies
Birmingham, United Kingdom
4. Invited Lecturer: October 2, 1991
Department of Handicap Research
University of Gothenberg, Gothenberg, Sweden
5. Invited Lecturer: October 15, 1991
Southern Swedish Orthopaedic Association, Lund, Sweden
6. Invited Lecturer: April 29-30, 1992
The Center for Implant Surgery, Department of Orthopaedic Surgery
Bnai Zion Medical Center, Technion University, Haifa, Israel
7. Invited Lecturer: September 27 - 29, 1992
European Orthopaedic Research Society, Varese, Italy
8. Visiting Professor: January 14 - 15, 1992
Hospital for Joint Diseases, New York City, New York
9. Invited Lecturer: March 13 - 20, 1993
International Knee Course, Zell am See, Austria
10. Invited Lecture: May 23, 1994
185th Meeting of the Electrochemical Society, San Francisco, California
11. Invited Lecturer: August 16, 1994
"Experimental Studies on the Effects of Particulate Debris."
Western Orthopaedic Association, Long Beach, California
12. Invited Lecturer: September 15, 1995
"The Biologic Basis of Loosening and Osteolysis of Total Joint Replacement."
The Hip Society, San Francisco, California
13. Visiting Professor and Guest Speaker: March 26 - 29, 1996
Finnish Orthopaedic Association, Levi, Finland
14. Visiting Professor: October 11-14, 1996
Peking Union Medical College
PLA 301 Hospital
People's Hospital 2nd Clinical School of Medicine
Beijing Medical University Hospital
Beijing, China
15. Visiting Professor: December 6-7, 1996
Chang Gung Memorial Hospital
20th Year Anniversary
Keishwan, Taiwan

16. Invited Speaker: October 3, 1997
International Meeting of SICOT,
Annual Congress of the Orthopaedic Association of the Republic of China
Annual Congress of the Joint Reconstruction Society, Republic of China
17. Keynote Speaker: December 3, 1997
The 9th International Conference on Biomedical Engineering
Mandarin, Singapore
18. Keynote Speaker: September 25, 1998
"The Issue of Immediate Loading in Orthopaedics."
1st ISG-PILODI Conference
Klink-Berlin, Germany
19. Keynote Speaker
40th Anniversary of the Shanghai Institute of Traumatology and Orthopaedics
November 9-10, 1998
20. Guest Speaker
7th Congress of the Military Orthopaedic Society of China and International Symposium
November 10-15, 1998
21. Guest Speaker
Department of Orthopaedic Surgery, Kyushu University Japan
April 5, 1999
22. Guest Speaker
Japanese Orthopaedic Association International Symposium, Yokohama Japan
April 8-10, 1999
23. Visiting Professor
Queen Mary Hospital, University of Hong Kong
June 4-5, 2000
24. Guest Speaker
50th Congress of the Nordic Orthopedic Federation
June 7-10, 2000
25. Visiting Professor
University of Kentucky
June 23-24, 2000
26. Visiting Professor
University of Shanghai
November 11-12, 2000
27. Visiting Professor

Second Affiliated Hospital
Zhejiang University School of Medicine
Honzhou, China
November 14, 2000

28. Ramon Gustilo Visiting Professor in Biomechanics
University of Minnesota
April 27, 2001
29. Visiting Professor of Orthopaedic Surgery
Mount Sinai Hospital
University of Toronto
August 2001-July 2002
30. Visiting Professor –
Department of Orthopaedic Surgery,
University of Buffalo
April 4, 2002
31. Invited Lecture: Title: Particulates and Osteolysis.
40th Anniversary Symposium: Acrylic Bone Cement in the New Millennium.
University of Manchester Sesquicentennial.
Manchester England.
May 14, 2002.
32. Visiting Professor –
Department of Orthopaedic Surgery,
University of Utah
May 29, 2002
33. Keynote Speaker
Annual Meeting of the Canadian Biomaterials Society,
Toronto, Canada.
June 7, 2002.
34. Invited Speaker
Ontario Orthopaedic Association
Toronto Canada
November 1-2, 2002
35. Distinguished Lecturer
Hospital for Special Surgery, Cornell University
New York
December 13, 2002
36. Visiting Professor and Head Adjudicator for Alberta Orthopaedic Research Day
University of Calgary, Calgary, Alberta, Canada, in conjunction with University of Alberta,
Edmonton, Alberta, Canada, April 3-4, 2003

37. William DeBobzi Visiting Professor of Orthopaedic Surgery
Loyola University, Chicago, IL, USA
June 6, 2003.
38. Visiting Professor of Orthopaedic Surgery,
Wayne State University
Detroit MI, USA
June 10-11, 2003.
39. Invited Speaker
Gordon Conference on Biomaterials, Biocompatibility and Tissue Engineering
Holderness School, Plymouth, New Hampshire
July 20-21, 2003
40. Lead Invited Speaker
Cement Update, Bordeaux, France
Sept 19, 2003.
41. 11th Annual Dr. Lauren Ackerman Lecture
Department of Bioengineering and Department of Orthopaedic Surgery
State University of New York Stony Brook
May 5, 2004

EDITORIAL BOARDS

Orthopaedic Capsule & Comment - H.P. Publishing Company, New York - 1990 - 1992
Journal of Arthroplasty
The Joint Letter
The Journal of Biomedical Materials Research
The Journal of Applied Biomaterials (Assistant Editor)
Update in Orthopaedics
Bone and Joint

JOURNAL REVIEWER

Clinical Orthopaedics
Journal of Arthroplasty
Journal of Bone and Joint Surgery
Journal of Orthopaedic Research
Acta Orthopaedica Scandinavica
Journal of Surgical Research
European Journal of Experimental Musculoskeletal Research

American Society For Testing Of Materials
Journal Of Biomedical Materials Research
Journal of Biomaterials Science, Polymer Edition
Journal of Applied Biomaterials
Cells and Materials
Clinical Materials
Archives Of Plastic Surgery
Acta Anatomica
Clinical Journal of Sport Medicine
Scanning Microscopy International
Proceedings of the Hip Society
Arthritis and Rheumatism
Biomaterials
Microsurgery
Pharmacological Research
American Journal of Pathology
Life Sciences
Journal of Rehabilitation Research and Development

PATENTS

1. United States Patent #6,299,649. Chang; Fu-Kuo, Yildiz; Hasan, Goodman; Stuart B. Filed: July 26, 1999 Granted. October 9, 2001. Unbalanced prosthetic device for providing side-dependent twisting-rotational axial-loading coupling.

PUBLICATIONS: Peer-Reviewed Journals

1. Bell RS, Goodman SB and Fornasier VL: Coccygeal Glomus Tumors: A Case of Mistaken Identity. Journal Of Bone And Joint Surgery. 62A:595, 1982.
2. Bell RS, Ha'eri GB, Goodman SB and Fornasier VL: Case Report 246. Skeletal Radiology. 10:201, 1983.
3. Bell RS, Harwood AR, Goodman SB and Fornasier VL: Supervoltage Radiotherapy in the Treatment of Difficult Giant Cell Tumors of Bone. Clinical Orthopaedics. 174:209, 1983.
4. Johnson RG, Herbert MA, Wright S, Offierski CF, Kellam J, Goodman SB and Bobechko WP: The Response of Articular Cartilage to the *In Vivo* Replacement of Synovial Fluid with Saline. Clinical Orthopaedics. 174:285, 1983.
5. Goodman SB, Bell RS, De Demeter D, Fornasier VL and Bateman JE: Ollier's Disease: A Case Report of Multiple Sarcomatous Transformations. Human Pathology. 15:91, 1984.

6. Herbert MA, Goodman SB and Heller M: Changes In Mixed Skeletal Muscle With Long-Term Intermittent Stimulation. Proceedings of the 1st Vienna International Workshop on Functional Electrostimulation. Chapter 1.4. Austrian Society For Artificial Organs. 8(1):6, 1984.
7. Goodman SB, Schatzker JS, Summer-Smith GS, Fornasier VL, Goften N and Hunt C: The Effect of Polymethylmethacrylate on Bone - An Experimental Study. Archives Of Orthopaedic Trauma Surgery. 104:150, 1985.
8. Bell RS, Schatzker J, Fornasier VL and Goodman SB: A Study of Implant Failure in the Wagner Resurfacing Arthroplasty Operation. Journal Of Bone And Joint Surgery. 67A:1165, 1985.
9. Schatzker J, Madias P, Glynn MK and Goodman SB: Popliteal Artery Entrapment. Canadian Medical Association Journal. 132(11):1290, 1985.
10. Heller M, Schatzker J and Goodman SB: Fracture of a Polyethylene Acetabular Cup: A Case Report. Canadian Journal Of Surgery. 20(1):48, 1986.
11. Schurman DJ, Woolson ST, Goodman SB, and Kuiper KJ: Standardized Orthopaedic Arthritis Record (S.O.A.R.): A Computerized Medical Record. Contemporary Orthopaedics. 12(2):41-50, 1986.
12. Goodman SB, and Schatzker JS: The Fixation of Fractures of the Femoral Neck - A Prospective Study. Canadian Journal Of Surgery. 29(5):351-357, 1986.
13. Goodman SB, Schurman DJ, Schatzker JS and Hunter G: Fracture Medical Record - A Computerized Record. Contemporary Orthopaedics. 12(6):28-37, 1986.
14. Schatzker JS, Goodman SB, Sumner-Smith GS, Fornasier VL, Goften N and Bell RS: Wagner Resurfacing of the Canine Hip. Archives Of Orthopaedic Trauma Surgery. 106:94, 1987.
15. Goodman SB and Schatzker JS: Intermediate Results of a Straight Stem Prosthesis in Primary Total Hip Arthroplasty. Clinical Orthopaedics. 218:111, 1987.
16. Goodman SB, Rubenstein J, and Schatzker JS: Apparent Changes in the Position of the Femoral Component in Hip Arthroplasties Due to Limb Positioning. Clinical Orthopaedics. 221:242-245, 1987.
17. Goodman SB and Schatzker JS: Revision Hip Surgery Using the Straight Stem Muller Prosthesis. Journal Of Arthroplasty. 2:83, 1987.
18. Goodman SB and Carter DR: Acetabular Lucent Lines and Mechanical Stress in Total Hip Arthroplasty. Journal Of Arthroplasty. 2(3):219-224, 1987.
19. Goodman SB, Gamble J, and Dilley M: Hip Motion Changes in Hemophilia. Journal Of Pediatric Orthopaedics. 7:664-666, 1987.
20. Goodman SB and Schurman DJ: The Outcome of Infected Total Hip Arthroplasty: An Inclusive Consecutive Series. Journal Of Arthroplasty. 3,97, 1988.

21. Goodman SB, Fornasier VL and Kei J: The Effects of Bulk Versus Particulate Polymethylmethacrylate on Bone. *Clinical Orthopaedics*. 232, 255, 1988.
22. Arathoon E, Goodman SB, and Vosti KL: Prosthetic Hip Infection Caused by *Listeria Monocytogens*. *Journal Of Infectious Diseases*. 157, 1282-1283, 1988.
23. Goodman SB, Fornasier VL, and Kei J: The Effects of Bulk Versus Particulate Ultra-High-Molecular-Weight Polyethylene on Bone. *Journal Of Arthroplasty*. October Supplement S41-S46, 1988.
24. Goodman SB, Adler S, Fyhrie D, and Schurman DJ: The Acetabular Teardrop and Its Relevance to Acetabular Migration. *Clinical Orthopaedics*. 236, 199-204, 1988.
25. Goodman SB, Fornasier VL, and Kei J: The Effects Of Particulate Polyethylene And Polymethylmethacrylate Using The Rabbit Tibia Model. *Contemporary Orthopaedics*. 17, 59-63, 1988.
26. Roscoe M, Goodman SB, and Schatzker J: Supracondylar Fracture of the Femur After Guepar Total Knee Arthroplasty - A New Treatment Method. *Clinical Orthopaedics*. 241, 221-223, 1989.
27. Sherman RM, Goodman SB, and Schatzker J: Femoral Neck Stump Arthroplasty After Failed Resurfacing Arthroplasty. *Journal Of Bone And Joint Surgery (Br)* 71B, 330-331, 1989.
28. Goodman SB, Chin RC, Chiou SS, Schurman DJ, Woolson ST: A Clinical-Pathological-Biochemical Study of the Membrane Surrounding Loose and Non-Loosened Total Hip Arthroplasties. *Clinical Orthopaedics*. 244, 182-187, 1989.
29. Goodman SB, and Turner RW: Prophylaxis For Patients With Total Joint Prostheses Undergoing Dental Procedures. *Mid-Peninsula Dental Society Articulator*. 32(5), 3-5, 1989.
30. Semkiw L, Schurman D, Goodman S, and Woolson S: Post-Operative Blood Salvage Using the Cell Saver Following Total Joint Arthroplasty. *Journal Of Bone And Joint Surgery* 71-A, 823-827, 1989.
31. Smith J and Goodman SB: The Acetabular Shelf Procedure. *Orthopaedic Review*. 18,1069 - 1072, 1989.
32. Goodman SB: The Presence of Residual Cement Powder Using the High Vacuum Mixing System: A Brief Report. *Contemporary Orthopaedics*. 18, 600-606, 1989.
33. Goodman SB, Fyhrie DP, Adler SJ, and Mallet SL: The Effect of Limb Rotation on the Radiographic Assessment of Anatomic and Mechanical Axis After Total Knee Arthroplasty. *Contemporary Orthopaedics*. 19(3), 273-277, 1989.
34. Goodman SB and Chin RC: Prostaglandin E2 Levels in the Membrane Surrounding Bulk and Particulate Polymethylmethacrylate in the Rabbit Tibia. *Clinical Orthopaedics*. 257, 305-309, 1990.

35. Maloney WJ, Schurman DJ, Hangen D, Goodman SB, Edworthy S, and Bloch DA: The Influence of Continuous Passive Motion on Outcome in Total Knee Arthroplasty. *Clinical Orthopaedics*. 256, 162-168, 1990.
36. Tischenko G and Goodman SB: Compartment Syndrome After Intramedullary Nailing of the Tibia. *Journal Of Bone And Joint Surgery*. 72-A, 41-44, 1990.
37. Goodman SB, Fornasier VL, Lee J and Kei J: The Histological Effects of the Implantation of Different Sizes of Polyethylene Particles in the Rabbit Tibia. *Journal Of Biomedical Materials Research*. 24, 517-524, 1990.
38. Baker L, Goodman SB, Perkash I and Enzmann D: Benign Fracture Versus Malignant Vertebral Body Infiltration: Marrow Signal Pattern Differential by Chemical Shift MR Images. *Musculoskeletal Radiology*. 174, 495-502, 1990.
39. Goodman SB: Comparison of Radiographic Parameters for Analysis of Normal and Dysplastic Hips in the Adult. *Contemporary Orthopaedics*. 20, 505-509, 1990.
40. Goodman SB, Fornasier VL, Lee J, and Kei J: The Effects of Bulk Versus Particulate Titanium and Cobalt Chrome Alloy Implanted into the Rabbit Tibia. *Journal Of Biomedical Materials Research*. 24, 1539-1599, 1990.
41. Goodman SB: Does the Direct Lateral Approach to the Hip Joint Jeopardize the Superior Gluteal Nerve ? *Clinical Anatomy*. 4(2), 123-128, 1991.
42. Goodman SB, Chin RC, Chiou SS, and Lee JS: Suppression of Prostaglandin E2 Synthesis in the Membrane Surrounding Particulate Polymethylmethacrylate in the Rabbit Tibia. *Clinical Orthopaedics*. 271, 300-304, 1991.
43. Goodman SB, Fornasier VL, and Kei J: A Quantitative Comparison of the Histological Effects of Particulate Polymethylmethacrylate Versus Polyethylene in the Rabbit Tibia. *Archives Of Orthopaedics and Traumatic Surgery*. 110, 123-126, 1991.
44. Smith JT, Goodman SB, and Tischenko G: Treatment of Comminuted Subtrochanteric Fractures of the Femur: Early Results Using The Russell-Taylor Reconstruction Nail. *Orthopaedics*. 14(2), 124-129, 1991.
45. Goodman SB, Chin RC, Chiou SS, and Lee JS: Modulation of the Membrane Surrounding Particulate Cement and Polyethylene in the Rabbit Tibia. *Biomaterials*. 12, 194-196, 1991.
46. Goodman SB, Lee J, Smith RL, Csongradi JC, and Fornasier VL: Mechanical Overload of a Single Compartment Induces Early Degenerative Changes in the Rabbit Knee. *Journal Of Investigative Surgery*. 4, 161-170, 1991.
47. Goodman SB, Chin RC, Chiou SS, and Lee JS: Prostaglandin E2 Synthesis by the Membrane Surrounding Ultra-High Molecular Weight Polyethylene in Different Physical Forms. Particulate Debris from Medical Implants: Mechanisms of Formation and Biological Consequences. *ASTM STP 1144*, K.R. St. John, Ed.111-117, 1992.

48. Goodman SB and Fornasier VL: Clinical and Experimental Studies in the Biology of Aseptic Loosening of Joint Arthroplasties and the Role of Polymer Particles. Particulate Debris From Medical Implants: Mechanisms of Formation and Biological Consequences. ASTM STP 1144, K.R. St. John, Ed., 27-37, 1992.
49. Goodman SB, Davidson JA, Locke L, Novotny S, Jones H, and Csongradi JJ: A Biomechanical Study of Two Methods of Internal Fixation of Unstable Fractures of the Femoral Neck. A Preliminary Study. *Journal of Orthopaedic Trauma*. 6, 66, 1992.
50. Fornasier VL, Sanders G, and Goodman SB: Histological Techniques for the Study of the Biomaterial-Tissue Interface of Total Joint Replacement - A Modification for the Preservation of Bone Cement. *Journal Of Applied Biomaterials*. 3(1), 59-62, 1992.
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237. Stuart B. Goodman, Mel Lee, Mike Trindade, Nora Fox, Ting Ma, Donald Regula, Mark Genovese, John Klein, Dan Bloch, Lane Smith: Modulation of Bone Ingrowth and Tissue Differentiation by Local Infusion of IL-10 in the Presence of UHMWPE Wear Particles. Society For Biomaterials Transactions of the 27th Annual Meeting, 219, 2001.
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243. Stuart B. Goodman, Ting Ma, Takashi Ikenoue, Ippe Matsuura, Michael Trindade, Neal Wong, Nora Fox, Mark Genovese, R. Lane Smith: Cyclooxygenase-2 (COX-2) Selective NonSteroidal Anti-inflammatory Drugs (NSAIDs) Decrease Bone Ingrowth In Vivo. Proceedings of the 2002 Annual Meeting of the American Academy of Orthopaedic Surgeons. 3; 616: 2002.
244. Pat Campbell, Isabelle Catelas, Mark Wang, H.C. Amstutz, S. Goodman: Perprosthetic Tissue Reaction to Wear Debris from Metal-on-Metal Total Hip Replacements. Proceedings of the 2002 Annual Meeting of the American Academy of Orthopaedic Surgeons. 3; 717: 2002
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246. Stuart B. Goodman, Ting Ma, Takashi Ikenoue, Ippe Matsuura, Michael Trindade, Neal Wong, Nora Fox, Mark Genovese, R. Lane Smith. Suppression of Bone Ingrowth by a COX-2 Selective NSAID In Vivo. Transactions of the Society for Biomaterials 2002.
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248. Goodman SB, Ma T, Trindade M, Ikenoue T, Matsuura I, Regula D, Genovese J, Bloch D, Smith RL: Suppression of Bone Ingrowth due to UHMWPE Wear Particles is Mitigated by Local Infusion of IL-10. Transactions of the 54th Meeting of the Association of Bone and Joint Surgeons. 70, 2002.
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256. Miyanishi K, Trindade MCD, Ma T, Goodman SB, Schurman DJ, Smith RL: Human monocyte-derived vascular endothelial growth factor and orthopaedic implant osteolysis. *Transactions of the 49th Orthopaedic Research Society*, 28:1448;2003.
257. Goodman SB, Saastamoinen H, Shasha N, Gross AE: Complications of Ilioischial reconstruction rings in revision hip replacement. *Proceedings of the Annual Meeting of the American Academy of Orthopaedic Surgeons*. 4:573;2003.
258. Ma T, Miyanishi K, Trindade MCD, Genovese M, Regula D, Smith RL, Goodman SB: Suppression of tissue ingrowth by local infusion of Interleukin-1 receptor antagonist. *Transactions of the 29th Annual Meeting of the Society For Biomaterials* 91, 2003.
259. Miyanishi K, Trindade M, Ma T, Warne B, Goodman S, Schurman D, Smith R: Induction of vascular endothelial growth factor expression in human macrophages by titanium particles in vitro. *Transactions of the 29th Annual Meeting of the Society For Biomaterials* 313, 2003.
260. Warne B, Epstein N, Trindade M, Miyanishi K, Ma T, Goodman S, Smith RL: A novel murine model of biomaterial induced osteolysis: expression of the chemokine MCP-1 and the pro-inflammatory cytokines IL-1 beta and IL-6. *Transactions of the 29th Annual Meeting of the Society For Biomaterials* 278, 2003.
261. Trindade MC, Miyanishi K, Wang Z, Fong K, Yang G, Longaker M, Goodman SB, Smith R: Shear stress upregulates human fibroblast MAPK and hypoxia inducible factor-1 expression in vitro. *Transactions of the 29th Annual Meeting of the Society For Biomaterials* 401, 2003.
262. Epstein N, Warne B, Trindade M, Miyanishi K, Ma T, Goodman S, Smith RL: The temporal expression of M-CSF in a murine model of cortical bone turnover in response to titanium particles, *Transactions of the 29th Annual Meeting of the Society For Biomaterials* 405, 2003.

263. Zarin J, Grosvenor D, Schurman DJ and Goodman SB: Efficacy of intraoperative blood salvage in revision total hip arthroplasty. Transactions of the 55th Annual Meeting of the Association of Bone and Joint Surgeons. 74, 2003.
264. Goodman SB: Is cement debris a problem in joint replacements and how can modern cement techniques reduce this phenomenon" Transactions: Cement Update Course. 151-2,2003.
265. Epstein NJ, Miyanishi K, Warne BA, Ma T, Tomita T, Smith RL, Goodman SB: Gene expression of Pro-inflammatory cytokines in a model of particle disease. Transactions of the 50th Annual Meeting of the Orthopaedic Research Society. 28;1497:2004.
266. Goodman SB, Ma T, Miyanishi K, Suen A, Genovese M, Smith RL: Inhibition of bone ingrowth by a COX-2 selective NSAID is reversible. Transactions of the 50th Annual Meeting of the Orthopaedic Research Society. 28;1419:2004.
267. Thomas AJ, Stevens KJ, Goodman SB: Judet views of the acetabulum in preoperative assessment before total hip arthroplasty revision. Transactions of the 50th Annual Meeting of the Orthopaedic Research Society. 28;1364:2004.
268. Koo S, Dixit AN, Alexander EJ, Gold G, Goodman SB, Dyrby CO, Giori NJ, Andriacchi TP: Morphological variations of femoral cartilage are influenced by gait characteristics in healthy and osteoarthritic knees. Transactions of the 50th Annual Meeting of the Orthopaedic Research Society. 28;921:2004.
269. Miyanishi K, Trindade M, Lindsey DP, Goodman SB, Schurman DJ, Beaupre GS, Carter DR, Smith RL: Mechanoregulation of chondrogenic gene expression in human mesenchymal stem cells. Transactions of the 50th Annual Meeting of the Orthopaedic Research Society. 28;836:2004.
270. Miyanishi K, Trindade MCD, Lindsey DP, Goodman SB, Schurman DJ, Beaupre GS, Carter DR, Smith RL: Intermittent hydrostatic pressure upregulates endogenous transforming growth factor 1 and 3 gene expression in human mesenchymal stem cells. Transactions of the 50th Annual Meeting of the Orthopaedic Research Society. 28;636 :2004.
271. Epstein NJ, Warne BA, Bragg W, Ma T, Miyanishi K, Suen A, Regula D, Smith RL, Goodman SB: Mice lacking the Interleukin-1A receptor are not protected from particle induced bone destruction. Transactions of the 50th Annual Meeting of the Orthopaedic Research Society. 28;125:2004.
272. Shegog M, Haber DF, Imrie SN, Goodman SB. Longer term follow-up of total hip arthroplasties in patients with juvenile chronic arthritis. Proceedings of the 2004 Annual Meeting of the American Academy of Orthopaedic Surgeons Meeting. 5;405:2004.

ORAL PRESENTATIONS

1. "The Effects Of Long-Term Intermittent Electrical Stimulation Of The Properties Of Skeletal Muscle". Canadian Orthopaedic Resident's Association. Banff, Alberta Canada. May 29, 1982.

2. "The Response Of Skeletal Muscle To Chronic Intermittent Electrical Stimulation". Academy Of Medicine. Toronto, Canada. April 27,1983.
3. "Wagner Resurfacing Arthroplasty Of The Canine Hip". Toronto Orthopaedic Resident's Day. Toronto, Canada ,1983.
4. "The Effects Of Methylmethacrylate On Bone". The Toronto AO/Hip Course. Toronto, Canada. February 26, 1984.
5. "The Response of Skeletal Muscle to Chronic Intermittent Electrical Stimulation". Toronto Orthopaedic Resident's Day. Toronto, Canada. 1984.
6. "Wagner Resurfacing Arthroplasty of the Canine Hip". Canadian Orthopaedic Association Research Society. June 11, 1984.
7. "Wagner Resurfacing Arthroplasty of the Canine Hip". Orthopaedic Grand Rounds At UCLA Medical Center. Los Angeles, California. March 9, 1985.
8. "Wagner Resurfacing Arthroplasty of the Canine Hip". Orthopaedic Grand Rounds At Stanford University Medical Center. Stanford, California. March 13, 1985.
9. "Cemented and Uncemented Total Hip Arthroplasty". Orthopaedic Grand Rounds At St. John's Hospital. Toronto, Canada. June 7, 1985.
10. "The Role of the ICU Nurse in the Orthopaedic Trauma". Stanford University ICU Nursing Rounds at Stanford University Medical Center. Stanford, California. September 15, 1985.
11. "New Concepts in Total Hip Replacement". Orthopaedic Grand Rounds At Stanford University Medical Center. Stanford, California . September 25, 1985.
12. "New Concepts In Total Hip Replacement:. Rheumatology Grand Rounds At Stanford University Medical Center. Stanford, California. October 5, 1985.
13. "Orthopaedic Extremity Trauma". Acute Trauma Life Support Course At Stanford University Medical Center. Stanford, California. 1985 - 1987.
14. "Orthopaedic Extremity Trauma". Stanford University Medical Center Trauma Symposium. Stanford, California. January 12, 1986.
15. Musculoskeletal Injuries. Multiple Trauma Symposium At Stanford University Medical Center. Stanford, California. June 24, 1986.
16. AO Lecture - Stanford AO Course At Stanford University Medical Center. Stanford, California. August 1986.
17. "Hip Motion Changes In Hemophilia". American Academy Of Orthopaedic Surgeons. San Francisco, California. January 27, 1987.

18. "Hip Motion Changes In Hemophilia". Immunology/Rheumatology Grand Rounds At Stanford University Medical Center. Stanford, California. March 31, 1987.
19. "The Effects Of Bulk Versus Particulate Biomaterials On Bone". 13th Annual Meeting Of The Society For Biomaterials. New York City, New York. June 5, 1987.
20. "Orthopaedic Traumatology". Stanford University Medical Center Multiple Trauma Symposium. Stanford, California. July 8, 1987.
21. "The Effects Of Different Biomaterials Using The Rabbit Tibia Model". The Hip Society. San Francisco, California. September 11, 1987.
22. "The Acetabular Teardrop And Its Relevance To Acetabuli". The 51st Annual Meeting Of The Western Orthopaedic Association. Colorado Springs, Colorado. October 7, 1987.
23. "Broken Bones, Broken Dreams". Progress In Medicine Lecture At Stanford University Medical Center. Stanford, California. October 28, 1987.
24. "The Acetabular Teardrop". Santa Clara Orthopaedic Association. San Jose, California. January 19, 1989.
25. "The Acetabular Teardrop And Its Relevance To Acetabular Migration". The 55th Annual Meeting Of The American Academy Of Orthopaedic Surgeons. Atlanta, Georgia. February 6, 1988.
26. "A-Clinical-Pathological-Biochemical Study Of The Membrane Surrounding Loose And Non-Loose Joint Arthroplasty". Third World Biomaterials Congress. Kyoto, Japan. April 25, 1988.
27. "The Effects Of Bulk Versus Particulate Polymethylmethacrylate And Polyethylene On Bone" Third World Biomaterials Congress. Kyoto, Japan. April 25, 1988.
28. "Basic Aims And Principals Of AO/ASIF Method". The San Francisco Operating Room Personnel Course. San Francisco, California. May 21, 1988.
29. "The Acetabular Teardrop". American Association Of Clinical Anatomists at Stanford University, Medical Center. Stanford, California. May 27, 1988.
30. AO Lecture Series. Stanford University Medical Center AO Course. Stanford California. August 27, 1988.
31. "Revision Total Joint Arthroplasty". Santa Rosa Hospital Grand Rounds. Santa Rosa, California. September 30, 1988.
32. "The Membrane Surrounding Loose And Non-Loose Joint Arthroplasty". AOA North American Traveling Fellows Conference at Stanford University Medical Center. Stanford, California. October 10, 1988.
33. "A Study Of The Membrane Surrounding Loose And Non-Loose Joint Arthroplasty". Orthopaedic Research Society. Las Vegas, Nevada. February 8, 1989.

34. "Bone Repair And Remodelling" & "Form And Function Of Plates For Fracture Fixation". UCLA AO/ASIF Course. Los Angeles, California. February 22 - 26, 1989.
35. "Prostaglandin E2 Levels In The Membrane Surrounding Bulk And Particulate Polymethylmethacrylate In The Rabbit Tibia". 15th Annual Society For Biomaterials Meeting. Orlando, Florida. April 30, 1989.
36. "The Bony Response To Different Sizes Of Polyethylene Particles Using The Rabbit Tibia Model". 15th Annual Society For Biomaterials Meeting. Orlando, Florida. April 30, 1989.
37. "The Effects Of Bulk Versus Particulate Titanium And Cobalt Chrome Alloy Implanted Into The Rabbit Tibia". 15th Annual Society For Biomaterials Meeting. Orlando, Florida. April 29, 1989.
38. "Prostaglandin E2 Levels In The Membrane Surrounding Particulate Cement". Syntex (Naproxyn) Study Conference. Laguna Niguel, California. May 20, 1989.
39. "The Acetabular Teardrop", Stanford Bioengineering Conference at Stanford University. Stanford, California. May 27, 1989.
40. "The Biology And Mechanics Of Intramedullary Nailing". Advances In Intramedullary Nailing Course. Richard's Medical Company - Stanford University. Stanford, California June 24, 1989.
41. "The Interfacial Membrane". Stanford University Disputations. Stanford, California. June 26, 1989.
42. "The Role Of The Orthopaedic Surgeon In Trauma Management". Stanford University Medical Center Orthopaedic Workshop. Stanford, California. August 18, 1989.
43. "Does The Direct Lateral Approach To The Hip Joint Jeopardize The Superior Gluteal Nerve ?" 57th Annual Meeting Of The American Academy of Orthopaedic Surgery. New Orleans. February 9, 1990.
44. "Research In Particulate Debris In Orthopaedics". Bioengineering Seminar Me 280/Surg 230. School of Engineering at Stanford University. Stanford, California. February 20, 1990.
45. "The History Of Total Joint Replacement". Stanford University Medical Center Orthopaedic Nursing Workshop. Stanford, California. April 6, 1990.
46. "Modulation Of The Membrane Surrounding Particulate Polymethylmethacrylate In The Rabbit Tibia." Society for Biomaterials. Charleston, South Carolina. May 23, 1990.
47. "Bone Accretion Around Polymeric Implants In The Rabbit Tibia". Society for Biomaterials. Charleston, South Carolina. May 23, 1990.
48. "Modulation Of The Membrane Surrounding Particulate Cement And Polyethylene In The Rabbit Tibia. Third International Conference. Biointeractions '90. Oxford, England. August 22, 1990.

49. "The Biology Of Arthroplasty Loosening". Norian Corporation. Mt. View, California. September 25, 1990.
50. "The History Of Total Hip Arthroplasty". Mechanical Engineering 281. School of Engineering at Stanford University. Stanford, California. October 24, 1990.
51. "Prostaglandin E2 Synthesis By The Membrane Surrounding Ultra-High-Molecular-Weight Polyethylene In Different Physical Forms". ASTM Symposium on Biocompatibility of Particulate Implant Materials. San Antonio, Texas. October 31, 1990.
52. "Bone Accretion And Histological Reaction Of particulate Polymethylmethacrylate And Polyethylene Implanted In The Rabbit Tibia". ASTM Symposium on Biocompatibility of Particulate Implant Materials. San Antonio, Texas. October 31, 1990.
53. "Clinical And Experimental Studies In The Biology Of Aseptic Loosening Of Joint Arthroplasties". "State-of-the-art in total joint replacement. An International Symposium. Harrington Arthritis Research Conference. Scottsdale, Arizona. November 19, 1990.
54. "Does The Direct Lateral Approach To The Hip Joint Jeopardize The Superior Gluteal Nerve ?" "State-of-the-art in total joint replacement." An International Symposium. Harrington Arthritis Research Conference. Scottsdale, Arizona. November 21, 1990.
55. "Clinical And Experimental Studies In The Biology Of Aseptic Loosening Of Joint Arthroplasties." Orthopaedic Conference University. University Of Lund, Sweden. December 20, 1990.
56. "Modulation of the Membrane Surrounding Particulate Cement and Polyethylene in the Rabbit Tibia." Orthopaedic Research Society. Anaheim, California. March 9, 1991.
57. "Basic Principles of Trauma with Emphasis on Lower Extremity Injuries." Frontiers in Orthopaedic Patient Care. Stanford University. April 19, 1991.
58. "Comparison of Prostaglandin E2 Synthesis in the Membrane Surrounding Particulate Polyethylene and PMMA." 17th Annual Meeting of the Society for Biomaterials. Scottsdale, Arizona. May 1, 1991.
59. "Prostaglandin E2 Production by the Membrane Surrounding Loose and Non-Loose Cemented Tibial Hemiarthroplasties in the Rabbit Knee." 17th Annual Meeting of the Society for Biomaterials. Scottsdale, Arizona. May 1, 1991.
60. "Radiological, Histological, and Biochemical Assessment of Aseptic Loosening Using a Tibial Hemiarthroplasty in the Rabbit Knee." Canadian Orthopaedic Research Society. Calgary, Alberta Canada. June 2, 1991.
61. "The Interface Around Cemented Arthroplasties" Bioengineering Rounds. School of Engineering at Stanford University. June 7, 1991.

62. "The Role Of Polymer Particles In The Process Of Aseptic Loosening Of Joint Arthroplasty. Fifth International Conference on Surface Technologies." Birmingham, United Kingdom. September 2, 1991.
63. "The Role Of Polymer Particles In The Process Of Aseptic Loosening Of Joint Arthroplasty." Grand Rounds of the Biomaterials Group, Department of Handicap Research at the University of Gothenberg, Gothenberg, Sweden. October 2, 1991.
64. "Prosthetic Wear: Histology And Biochemistry." Meeting of the Southern Sweden Orthopaedic Association. Lund, Sweden. October 15, 1991.
65. "Total Joint Replacement In Juvenile Rheumatoid Arthritis." Conference on Juvenile Rheumatoid Arthritis at Lucille Packard Children's Hospital. Stanford, California. January 15 & 22, 1992.
66. "Clinical and experimental studies in the etiology of aseptic loosening of joint arthroplasties and the role of polymer particles". Biomedical Engineering Seminar (ME280). Stanford University. March 31, 1992.
67. "Lysosomal Enzyme Production At The Interface Surrounding Loose And Nonloose Cemented Tibial Hemiarthroplasties In The Rabbit Tibia". The Fourth World Biomaterials Congress In Berlin, West Germany. April 24th-28th, 1992.
68. "The Effects Of Different Biomaterials On Bone Using The Rabbit Tibia Model". The 14th Annual International Symposium At The Center For Implant Surgery In Haifa, Israel. April 29th - 30th 1992.
69. "The Biology Of Aseptic Loosening Of Joint Arthroplasties And The Role Of Polymer Particles In Arthroplasty". The 14th Annual International Symposium At The Center For Implant Surgery In Haifa, Israel. April 29th - 30th 1992.
70. "The Biology And Mechanics Of Intramedullary Nailing". The 14th Annual International Symposium At The Center For Implant Surgery In Haifa, Israel. April 29th - 30th 1992.
71. "Orthopaedic Examination of the Hip". Grand Rounds, Physical and Rehabilitation Department. Palo Alto Veteran's Administration Medical Center. May 20th 1992.
72. "The Mechanisms of Loosening of Joint Replacements". Surgical Grand Rounds. Department of Surgery. Stanford University Medical Center. May 30th 1992.
73. "Orthopaedic Examination of the Hip". Grand Rounds, Division of Geriatric Medicine. Palo Alto Veteran's Administration Medical Center. June 2nd 1992.
74. "Loosening of Total Joint Replacements". Lawrence Livermore National Laboratory. July 29th 1992.
75. "Immunohistochemical analysis of the membrane surrounding total joint arthroplasties". Implant Retrieval Symposium of the Society for Biomaterials. St. Charles, Illinois. September 19th 1992.

76. "Cement particles inhibit bone ingrowth into titanium chambers implanted in the rabbit tibia". European Orthopaedic Research Society. Varese, Italy. September 27th 1992.
77. "A model of arthroplasty loosening using the rabbit knee". European Orthopaedic Research Society. Varese, Italy. September 28th 1992
78. "Mixing techniques and particulate polymethylmethacrylate". European Orthopaedic Research Society. Varese, Italy. September 28th 1992
79. "An *in vitro* study of femoral intramedullary pressures during hip replacement using modern cement techniques". European Orthopaedic Research Society. Varese, Italy. September 29th 1992.
80. "The immunology of loosening of total joint replacements". Symposium for AOA Travelling . Stanford University. Stanford, California. October 22nd 1992.
81. "The immunology of loosening of total joint replacements". Grand Orthopaedic Rounds, Lund University. Lund, Sweden. December 8th 1992.
82. "The mechanism of cell recruitment and osteolysis in arthroplasty loosening: Analysis of the pseudomembrane using immunohistochemistry and *in situ* hybridization." Orthopaedic Research Society. San Francisco, California. February 17th, 1993.
83. "The implant interface". International Knee Meeting. ZellamSee, Austria. March 13th 1993.
84. "The biological aspects of material wear and degradation." International Knee Meeting. ZellamSee, Austria. March 13th 1993.
85. "Particles accumulate within cement voids." 19th Annual Meeting of the Society for Biomaterials. Birmingham, Alabama. April 28th - May 2nd, 1993.
86. "The effects of particulate high density polyethylene and titanium alloy on tissue ingrowth into the bone harvest chamber in rabbits." 19th Annual Meeting of the Society for Biomaterials. Birmingham, Alabama. April 28th - May 2nd, 1993.
87. "The mechanisms of cell recruitment and osteolysis in arthroplasty loosening: Analysis of the pseudomembrane using immunohistochemistry and *in situ* hybridization." 19th Annual Meeting of the Society for Biomaterials. Birmingham, Alabama. April 28th - May 2nd, 1993.
88. "Loosening and total joint replacement." Grand Orthopaedic Rounds, Lund University, Lund, Sweden, Oct 1993.
89. "Total joint replacement for arthritis." V.A. Arthritis Conference, Menlo Park, CA, Feb. 8, 1994.
90. "T-Lymphocytes are not necessary for particulate polyethylene-induced macrophage recruitment in the rat tibia." 40th Annual Meeting, Orthopaedic Research Society New Orleans, Louisiana. February 21st, 1994.

91. "Histomorphologic reaction of bone to different concentrations of phagocytoseable particles in vivo." 40th Annual Meeting, Orthopaedic Research Society, New Orleans, Louisiana. February 21st, 1994.
92. "Experimental studies on the biological effects of wear debris." Orthopaedic Hospital, Los Angeles, California. March 16th, 1994.
93. "Loosening and osteolysis of cemented joint arthroplasties: A biological spectrum." 20th Annual Meeting of the Society for Biomaterials. Boston, Massachusetts. April 4-9, 1994.
94. "The effects of particulate cobalt chrome alloy and high density polyethylene on tissue ingrowth into the bone harvest chamber in rabbits." 20th Annual Meeting of the Society for Biomaterials. Boston, Massachusetts. April 4-9, 1994.
95. "T-Lymphocytes are not necessary for particulate polyethylene induced macrophage recruitment in the rat tibia." 20th Annual Meeting of the Society for Biomaterials. Boston, Massachusetts. April 4-9, 1994.
96. "Histomorphologic reaction of bone to different concentrations of phagocytoseable particles in vivo." 20th Annual Meeting of the Society for Biomaterials. Boston, Massachusetts. April 4-9, 1994.
97. "The effects of micromotion and particulate materials on tissue differentiation. Bone chamber studies in rabbits." Lund, Sweden, May 19, 1994.
98. "Tissue reaction to orthopaedic implant materials." 185th Meeting of the Electrochemical Society. San Francisco, California, May 23, 1994.
99. "The effects of micromotion and particulate materials on tissue differentiation. Stanford University Mechanical Engineering Graduate Course (ME 280), June 7, 1994.
100. "Diagnosis and treatment of acetabular fractures." Grand Surgical Rounds, Stanford University, June 11, 1994.
101. "Total joint replacement in juvenile rheumatoid arthritis." Santa Clara Valley Orthopaedic Club. San Jose, California, June 21, 1994.
102. "Micromotion, particulate materials and tissue differentiation." Stanford University Orthopaedic Founders Day. June 23, 1994.
103. "Experimental Studies on the Effects of Particulate Debris." Western Orthopaedic Association, Long Beach, California, August 16, 1994.
104. "Total Joint Replacement in Juvenile Rheumatoid Arthritis." 1994 National Orthopaedic Residents Program on Total Joint Replacement." Chicago, Illinois, August 20, 1994.
105. "Biology of Loosening in Total Joint Replacement." 1994 National Orthopaedic Residents Program on Total Joint Replacement, Chicago, Illinois, August 20, 1994.

106. "The Biology of Loosening of Joint Replacements." Complications in Foot Surgery. The California College of Podiatric Medicine, Stanford University, Stanford, California, October 1, 1994.
107. "Total Joint Replacement. the Past, the Present, the Future." Medical Seminar, Stanford University, Stanford, California, October 25, 1994.
108. "Orthopaedic Trauma of the Lower Extremities. Orthopaedics on the Horizon: Current Trends in Orthopaedic Nursing. Palo Alto, California, October 28, 1994.
109. "The Bone Harvest Chamber - A Model For Assessing the Biological Effects of Particles in Bone" Grand Rounds. Hospital For the Invalid Foundation. Helsinki, Finland, December 9, 1994.
110. "Immunobiological Studies of Tissues Harvested During Revision of Joint Replacements." Research Seminar, Musculoskeletal and Rheumatology Research Group, University of Helsinki, December 9, 1994.
111. "A Comparison of the Effects of Micromotion and Particulate Materials on Bone Ingrowth in Rabbits." 62nd Annual Meeting American Academy of Orthopaedic Surgeons, Orlando Florida, February 18, 1995.
112. "Cellular Profile and Cytokine Production in Tissues Surrounding Revised Cementless Prostheses." The 21st Annual Meeting of the Society for Biomaterials, March 21, 1995, San Francisco, California.
113. "Tissue Differentiation in the Presence of Different Concentrations of Phagocytosable Polyethylene and Titanium Alloy Particles." The 21st Annual Meeting of the Society for Biomaterials, March 22, 1995, San Francisco, California.
114. "Tissue Ingrowth and Differentiation in the Bone Harvest Chamber in the Presence of Polyethylene Particles." The 21st Annual Meeting of the Society for Biomaterials, March 22, 1995, San Francisco, California.
115. "Mechanism of Tissue Ingrowth and Differentiation in the Bone Harvest Chamber in the Presence of CoCr Alloy and Polyethylene Particles." Association of Bone and Joint Surgeons, 47th Annual Meeting, May 19, 1995.
116. "The Biology of Loosening and Osteolysis." Western Orthopaedic Association, Northern California Branch, Napa, California, June 2, 1995.
117. "The Biologic Basis of Loosening and Osteolysis of Total Joint Replacement." Hip Society, San Francisco, California, September 15, 1995.
118. "The Bone Harvest Chamber - A Model to Explore the Effects of Wear Debris *in Vivo*." 2nd Combined Meeting of the Orthopaedic Research Societies of U.S.A., Japan, Canada and Europe, San Diego, California, November 7, 1995.
119. "Management of Fractures Around Total Joint Replacements." Current Practices in Orthopaedic Trauma, Silver Creek Valley Country Club, San Jose, California, February 3, 1996.

120. "Collaborations Between Orthopaedic Surgeons and Engineers in Total Joint Replacement." Stanford School of Engineering Advisory Council, Stanford, California, February 8, 1996.
121. "Loosening and Osteolysis of Total Joint Arthroplasties: Cellular Profile and Cytokine Release of Periprosthetic Tissues." American Academy of Orthopaedic Surgeons, Atlanta, Georgia, February 23, 1996.
122. "Loosening and Osteolysis of Total Joint Replacements: Biological Mechanisms and Consequences." Annual Meeting of the Finnish Orthopaedic Association. Levi, Finland, March 27, 1996.
123. "Revision Total Hip Replacement: Current Status." Annual Meeting of the Finnish Orthopaedic Association. Levi, Finland, March 28, 1996.
124. "Periprosthetic Fractures." Operating Room Nursing Rounds. Stanford University, California, April 22, 1996.
125. "Clinical Implications of Wear in Total Knee Replacement." The Society For Biomaterials Short Course on Wear and Its Consequences in Total Joint Replacement. San Antonio, Texas, April 25, 1996.
126. "Juvenile Rheumatoid Arthritis." Orthopaedic Nurses Conference. Stanford University, California, April 26, 1996.
127. "Diagnosis and Treatment of Acetabular Fractures." Grand Rounds, Department of Surgery. Stanford University, California, April 27, 1996.
128. "Analysis of Periprosthetic Tissues Surrounding Revised Cemented Acetabular Components With and Without Osteolysis." 48th Annual Meeting of the Association of Bone and Joint Surgeons. Chatham, Massachusetts, May 22, 1996.
129. "Different Effects of Particles During Bone Ingrowth and Remodeling." Fifth World Biomaterials Congress, Toronto, Canada, May 29 - June 2, 1996.
130. "Effects of Submicron Polyethylene Particles on Periprosthetic Tissue in Rabbits." Fifth World Biomaterials Congress, Toronto, Canada, May 29 - June 2, 1996.
131. "Wear and Osteolysis." Controversies in Primary and Revision Total Hip Surgery, Naxos, Sicily, October 5, 1996.
132. "Total Hip Replacement in Juvenile Rheumatoid Arthritis." Controversies in Primary and Revision Total Hip Surgery, Naxos, Sicily, October 6, 1996.
133. "Results of Uncemented Revision Total Hip Replacement." Controversies in Primary and Revision Total Hip Surgery, Naxos, Sicily, October 7, 1996.
134. "Revision Total Hip Replacement." Peking Union Medical College, Beijing, China, October 11, 1996.

135. "The Etiology and Pathogenesis of Loosening and Osteolysis of Joint Replacements." PLA 301 Hospital, Beijing, China, October 11, 1996.
136. "Total Hip Replacement in Juvenile Chronic Arthritis." People's Hospital 2nd Clinical School of Medicine." Beijing Medical University Hospital, Beijing, China, October 12, 1996.
137. "Principles of Revision Total Hip Replacement." Grand Rounds, Stanford University, October 30, 1996.
138. "The History of Total Joint Replacement." Mechanical Engineering 281, Stanford University, November 6, 1996.
139. "Recent Studies on the Biology of Osteolysis of Total Joint Replacements." Chang Gung Hospital, Taiwan, December 6, 1996.
140. "Total Hip Replacement in Juvenile Rheumatoid Arthritis." Chang Gung Hospital, Taiwan, December 6, 1996.
141. "Intertrochanteric Hip Fractures." Norian Study Group, Monterey, California, USA, December 14, 1996.
142. "Bone Healing and Remodeling." Grand Orthopaedic Rounds, Stanford University, January, 1997.
143. "Revision Total Hip Replacement." Grand Orthopaedic Rounds, University of California at San Francisco, February 1, 1997.
144. "Effects of Particle Concentration on Net Bone Formation Using the Bone Harvest Chamber." International Symposium on Joint Replacement, Stanford University, February 19, 1997.
145. "Revision Total Hip Arthroplasty" Santa Clara Orthopaedic Club, Los Gatos, CA, April 15, 1997.
146. "Osteolysis of Total Joint Replacements, from Bench to Bedside". Grand Rounds, Brown University, Rhode Island, Sept 3, 1997.
147. "Biology of Loosening and Osteolysis of Joint Replacements" Basic Science Rounds, Brown University, Rhode Island, Sept.3, 1997.
148. "Peri-Prosthetic Fractures - Surgical Management." Orthopaedic Nursing: The Challenge for the 90's. Stanford University, September 18, 1997.
149. "Total Joint Replacement." Radiology Rounds, Stanford University, Oct. 22, 1997.
150. "Scientific Advances in the Understanding of Loosening and Osteolysis of Total Joint Replacements" International Meeting of SICOT, Annual Congress of the Orthopaedic Association of the Republic of China, Annual Congress of the Joint Reconstruction Society, Republic of China Oct. 3, 1997.
151. "The Use of Femoral Intramedullary Nailing as an Interim or Salvage Technique During Complicated Total Hi Replacement" International Meeting of SICOR, Annual Congress of the Orthopaedic

Association of the Republic of China, Annual Congress of the Joint Reconstruction Society, Republic of China, Oct. 3, 1997.

152. "Loosening and Osteolysis of Joint Replacements" Singapore General Hospital. Singapore Dec. 3, 1997.
153. "Biological Basics of Loosening and Osteolysis of Joint Replacements" Singapore General Hospital. Singapore Dec. 3, 1997.
154. "Revision Total Hip Replacements" Tan Tock Seng Hospital. Singapore Dec. 3, 1997.
155. "CCK Knee Prosthesis for Revision Total Knee Replacement" Tan Tock Seng Hospital. Singapore Dec. 3, 1997.
156. "Loosening and Osteolysis of Total Joint Replacements: from Bench to Bedside" Plenary lecture. Ninth International Conference on Biomedical Engineering. Singapore Dec. 4, 1997.
157. "History of Total Joint Replacement" Stanford Grand Orthopaedic Rounds, Jan. 7, 1998.
158. "Osteolysis of Joint Replacements: From Bench to Bedside" Roche, Palo Alto, CA, Jan.28, 1998.
159. "Effects of TGF β on Bone Ingrowth in the Presence of Polyethylene Particles." Society For Biomaterials Annual Meeting. San Diego, CA Thursday April 23, 1998
160. "Wear: A Clinical Problem in Total Knee Replacement." Symposium: Wear and Joint Replacement. Society For Biomaterials Annual Meeting. San Diego CA. Friday April 24, 1998.
161. "Cementing Fractures: An Overview of Compound Osteosynthesis". Norian Standard of Care Meeting. Monterey, CA. June 12, 1998.
162. "Effects of TGF β on Bone Ingrowth in the Presence of Polyethylene Particles." Association of Bone and Joint Surgeons. 50th Annual Meeting. Aspen, CO. June 28, 1998.
163. "The Issue of Immediate Loading in Orthopaedics." 1st ISG-PILODI Conference. Klink-Berlin, Germany. September 25, 1998.
164. "Pro-inflammatory Mediator Release in Response to Particle Challenge: Studies Using the Bone Harvest Chamber." 3rd Combined Orthopaedic Research Society Meeting. Hamamatsu, Japan. September 30, 1998.
165. "Total Joint Replacement: The Past, The Present, The Future". ME 281 - Orthopaedic Biomechanics. Stanford University, Department of Mechanical Engineering. October 27, 1998.
166. "Biomechanics, Biomaterials and Bearing Surfaces". Comprehensive Review of Total Joint Arthroplasty. Shanghai, China. November 9, 1998.
167. "Loosening and Osteolysis of Joint Replacements". Comprehensive Review of Total Joint Arthroplasty. Shanghai, China. November 9, 1998.

168. "Diagnosis and Treatment of Prosthetic Infections". Comprehensive Review of Total Joint Arthroplasty. Shanghai, China. November 10, 1998.
169. "Revision Total Knee Replacement". Comprehensive Review of Total Joint Arthroplasty. Shanghai, China. November 10, 1998.
170. "Osteolysis, from Bench to Bedside". 7th Congress of the Military Orthopaedic Society of China and International Symposium. Guang Zhou. November 12, 1998.
171. "Prevention and Management of Total Joint Replacements". Comprehensive Surgery of Primary and Revision Total Joint Replacement. Steamboat Springs, CO. January 9, 1999.
172. "Loosening and Osteolysis of Joint Replacement". Kyushu University, Fukuoka, Japan. April 5, 1999.
173. "Loosening and Osteolysis of Joint Replacement". Moji Rosai Hospital, Kokura, Japan. April 6, 1999.
174. "Outcome of Total Hip Replacement In Small-Proportioned Patients". Japanese Orthopaedic Association, Yokohama, Japan. April 9, 1999.
175. "Biomechanical Evaluation of a Carbonated Apatite Cement In The Fixation of Unstable Intertrochanteric Fractures". Japanese Orthopaedic Association, Yokohama, Japan. April 8, 1999.
176. "Effects of Local Infusion of TGF β on Bone Ingrowth in Rabbit Chambers". 25th Annual Meeting for Society For Biomaterials. Providence, RI. April 28-May 2, 1999.
177. "Outcome of Total Hip Replacement in Small Proportioned Patients". 51st Annual Meeting of Association of Bone and Joint Surgeons. Amelia Island, FL. May 12-16, 1999.
178. "Osteolysis of Joint Replacements" Total Hip, Knee and Shoulder Symposium. Park City, Utah July 10, 1999.
179. "Rabbit Harvest Chambers: Models Exploring Tissue Differentiation". Workshop on Models in Fracture Healing and Implant Models. September 17, 1999. Ulm, Germany.
180. "Intertrochanteric Fractures: In Situ Biology and Biomechanics". September 25, 1999. Norian Corp. Cupertino, CA, USA.
181. "Outcome of Total Hip Replacement in Small-Proportioned Patients Requiring Miniature and Small Components". 67th Annual Meeting of the American Academy of Orthopaedic Surgeons. Orlando, Florida. March 16, 2000.
182. "Use of COX-2 Specific Inhibitors in Operative and Non-Operative Management of Patients With Arthritis". Symposium: New Era in Pain Management. Orlando, Florida. March 16, 2000.

183. "Loosening, Osteolysis and Implant Wear". Queen Mary Hospital, University of Hong Kong, June 5, 2000.
184. "The Operation Technique of THA". 50th Congress of the Nordic Orthopedic Federation, Tampere, Finland. June 7-10, 2000.
185. "Revision Total Hip Replacement: Principles of Treatment and Outcome". 50th Congress of the Nordic Orthopedic Federation. Tampere, Finland. June 7-10, 2000.
186. "Prosthetic Loosening and Osteolysis: Biological Mechanisms and Strategies for Treatment". 50th Congress of the Nordic Orthopedic Federation. Tampere, Finland. June 7-10, 2000.
187. "Biological Mechanisms and Strategies for Treatment of Loosening and Osteolysis in the Next Millenium". University of Kentucky. June 23, 2000.
188. "Unique Orthopaedic Conditions in Silicon Valley". University of Kentucky Disputation Dinner. June 23, 2000.
189. "Revision Total Hip Replacement". University of Kentucky. June 24, 2000.
190. "Local Infusion of Fibroblast Growth Factor Mitigates Polyethylene and Particle-induced Suppression of Bone Ingrowth." Sixth World Biomaterial Congress, Hawaii May 18, 2000.
191. "Exogenous TGF β Enhance Net Bone Formation by Downregulating IL-1 β Production in Rabbit Bone Chambers Containing Polyethylene Particles." Sixth World Biomaterial Congress, Hawaii May 18, 2000.
192. "Prosthetic Loosening and Osteolysis: Biological Mechanisms and Strategies for Treatment in the Twenty-first Century." Chinese and American Scientific Symposium for Joint Surgery, Ruijin Hospital Affiliate to Shanghai Second Medical University, China November 13, 2000.
193. "Revision Total Hip Replacement: Principles of Treatment and Outcome". Chinese and American Scientific Symposium for Joint Surgery, Ruijin Hospital Affiliate to Shanghai Second Medical University, China November 13, 2000.
194. "Clinical Aspects of Wear of TKR. Chinese and American Scientific Symposium for Joint Surgery, Ruijin Hospital Affiliate to Shanghai Second Medical University, China November 14, 2000.
195. "Revision Hip Replacement: Techniques and Outcomes." Zhejiang University School of Medicine, Hangzhou, China November 16, 2000.
196. "Total Joint Replacement" ME281, Department of Mechanical Engineering, Stanford University, November 28, 2000.
197. "Exogenous TGF β Enhances Net Bone Formation by Downregulating IL-1B Production in Rabbit Bone Chambers Containing Polyethylene Particles." Orthopaedic Research Day. Palo Alto VA Hospital. December 9, 2000.

198. "Bone Stimulating Materials for Replenishing Lost Bone Stock in Revision THR." AAOS, San Francisco, CA, March 1, 2001.
199. "Modulation of Bone Ingrowth and Tissue Differentiation by Local Infusion of IL-10 in the Presence of UHMWPE Wear Particles" Society For Biomaterials, Saint Paul, Minnesota, April 24-29, 2001.
200. "Cementing Fractures: Special Symposium - Society For Biomaterials, Saint Paul, Minnesota, April 24-29, 2001.
201. "Material and Allergic Responses" - Stanford University Grand Rounds - May 30, 2001.
202. "Total Hip Replacement" The Forum. Cupertino, CA - June 6, 2001.
203. "Composite Fixation and Cementing Fractures" Stanford University Grand Rounds - June 13, 2001.
204. "Coxibs: Pharmacology/Pharmacokinetics & Implications for Therapy". Merck National Orthopaedic Advisory Board Meeting. Amelia Island Florida. November 30, 2001
205. "Prosthetic Loosening and Osteolysis: Biological Mechanisms and New Strategies for Treatment". Connective Tissue Research Group. Mount Sinai Hospital, Toronto Jan 28, 2002.
206. "Cyclooxygenase-2 (COX-2) Selective Non-steroidal Anti-inflammatory Drugs (NSAIDs) Decrease Bone Ingrowth In Vivo". Annual Meeting of the Orthopaedic Research Society, Dallas, February, 2002.
207. "Local Infusion of IL-10 Mitigates The Depression of Bone Ingrowth due to UHMWPE Wear Particles In Vivo". Annual Meeting of the Orthopaedic Research Society, Dallas, February, 2002.
208. "Cyclooxygenase-2 (COX-2) Selective Non-steroidal Anti-inflammatory Drugs (NSAIDs) Decrease Bone Ingrowth In Vivo". Annual Meeting of the American Academy of Orthopaedic Surgeons Dallas, February, 2002.
209. "Local Infusion of IL-10 Mitigates The Depression of Bone Ingrowth due to UHMWPE Wear Particles In Vivo". Durect Corporation Cupertino, CA, USA. February 26, 2002.
210. "Advances in Acute Pain Management". Coxibs University Program. The Complutense University Conference, San Lorenzo, Spain, March 23, 2002.
211. "Prosthetic Loosening and Osteolysis- Biologic Mechanisms and Strategies for Treatment". Orthopaedic Arthritis Rounds – Mount Sinai Hospital, Toronto Canada. March 27, 2002.
212. "Prosthetic Loosening and Osteolysis- Biologic mechanisms and strategies for treatment". Department of Orthopaedic Surgery Grand Rounds – University of Buffalo, April 4, 2002.
213. "Particulates and Osteolysis". 40th Anniversary Symposium: Acrylic Bone Cement in the New Millennium. University of Manchester Sesquicentennial. Manchester England. May 14, 2002

214. "Suppression of Bone Ingrowth due to UHMWPE Wear Particles is Mitigated by Local Infusion of IL-10". Association of Bone and Joint Surgeons Meeting. Vancouver, Canada. May 18, 2002.
215. "Prosthetic Loosening and Osteolysis- Biologic mechanisms and strategies for treatment". Department of Orthopaedic Surgery Grand Rounds – University of Utah, May 29, 2002.
216. "Engineering New Bone to Replenish Lost Bone Stock in Revision Hip Replacement: The Surgeon's Perspective. " Annual Meeting of the Canadian Biomaterials Society. Toronto, Canada. June 7, 2002.
217. "Total Knee Replacement in the Patient with Small Stature " SICOT Meeting. San Diego CA, USA. , August 27,2002.
218. "Revision Total Knee Replacement: Basic Concepts" SICOT Meeting. San Diego CA, USA. , August 27,2002.
219. "Loosening and Osteolysis: Strategies for Diagnosis and Treatment". 25th Annual Meeting of the Ontario Orthopaedic Association. Toronto, Canada, November 1, 2002.
220. "Total Knee Replacement in Small Proportioned Patients". 25th Annual Meeting of the Ontario Orthopaedic Association. Toronto, Canada, November 2, 2002.
221. "Basic Principles and Outcome of Revision Total Knee Replacement". 25th Annual Meeting of the Ontario Orthopaedic Association. Toronto, Canada, November 1, 2002.
222. "The History of Total Joint Replacements." Mechanical Engineering 281.Stanford University, November 5, 2002.
223. "The Application of Cement in Fracture Management: an Overview." in The Role of Cement in Fracture Management" Stanford University. November 9, 2002.
224. "The Use of Cements in Hip Fracture Management", in The Role of Cement in Fracture Management" Stanford University. November 9, 2002.
225. "Rabbit Harvest Chambers: Models for Exploring Tissue Differentiation", Hospital For Special Surgery, Cornell University, New York. December 13, 2002.
226. "Revision Total Knee Replacement". Grand Orthopaedic Rounds. Stanford University. January, 2003.
227. "Complications of Iliioischial Reconstruction Rings in Revision Hip Replacement". Annual Meeting of the American Academy of Orthopaedic Surgeons. New Orleans. Feb 6, 2003.
228. "Arthritis and Total Joint Replacement" Rheumatology Teaching Conference, Stanford, CA March , 2003.

229. "Revision Total Joint Replacement – the Complications of Loosening and Osteolysis". DNAX, Palo Alto California. March 17, 2003.
230. "Principles of Revision Total Knee Replacement". University of Calgary. April 3, 2003.
231. "Total Knee Replacement in Patients with Small Stature". University of Calgary. April 3, 2003.
232. "Harvest Chambers: Models for Exploring Tissue Differentiation", University of Calgary. April 4, 2003.
233. "Efficacy of Intraoperative Blood Salvage in Revision Total Hip Arthroplasty". Association of Bone and Joint Surgeons Meeting. Paris, France, May 17, 2003.
234. "Osseointegration, Loosening and Osteolysis of Joint Replacements: From Bench to Bedside." Loyola University, June 6, 2003.
235. "Total Knee Replacement in Patients with Small Stature". Loyola University, June 6, 2003.
236. "Osseointegration, Loosening and Osteolysis of Joint Replacements: From Bench to Bedside." Wayne State University, June 11, 2003.
237. "Foreign Body Response to Orthopaedic Materials", Gordon Conference on Biomaterials, Biocompatibility and Tissue Engineering, Holderness School, Plymouth, New Hampshire July 21, 2003.
238. "Total Joint Replacement, Past, Present and Future". Orthopaedic Odyssey. Center for Education. Stanford Hospital and Clinics. August 15, 2003.
239. "Is Cement Debris a Problem in Joint Replacements and How Can Modern Cement Techniques Reduce this Phenomenon," Cement Update Course. Bordeaux, France. Sept 19, 2003.
240. "The Orthopaedic Sector", Medical Device and Business Development Growth and M&A Conference, Palo Alto, CA, Nov. 18, 2003.
241. "Diagnosis and Treatment of Infections of Joint Replacements" Kaiser Hospital, Redwood City, CA. Dec. 16, 2003.
242. "The History of Total Joint Replacement". BioX 459 Seminar Series, Stanford University, Jan. 12, 2004.
243. "The Foreign Body Response to Orthopaedic Implants". BioX 459 Seminar Series, Stanford University, Jan 15, 2004.
244. "Surgical Management of Arthritic Disorders". Stanford University Health Library Symposium. March 17, 2004.
245. "COX-2 Selective Inhibitors and Bone". AAOS/NIH Symposium: Influence of Sex Specificity and Gender on Musculoskeletal Health. Baltimore, Maryland. April 24, 2004.

246. "The Application of Cement in Fracture Management: an Overview", The 2nd Annual Stanford University Symposium on The Role of Cement in Fracture Management, Stanford University, April 30, 2004.
247. "Modulation of the Foreign Body Response to Orthopaedic Implants", Department of Bioengineering and Department of Orthopaedic Surgery, State University of New York Stony Brook, May 5, 2004

POSTER PRESENTATIONS

1. Goodman SB, Fornasier VL, Lee J and Kei J: The Effects of Bulk Versus Particulate Titanium and Cobalt Chrome Alloy Implanted in the Rabbit Tibia. Third International Conference on Biointeractions '90. Oxford, England. August 21, 1990.
2. Goodman SB, Lee J, and Fornasier VL: Bone Accretion Around Metallic Implants in the Rabbit Tibia. 17th Annual Meeting of the Society for Biomaterials. May 1, 1991.
3. Goodman SB, Magee FP, and Fornasier VL: Radiological and Histological Assessment of Aseptic Loosening Using a Tibial Hemiarthroplasty Model in the Rabbit Knee. 17th Annual Meeting of the Society for Biomaterials. Scottsdale, Arizona. May 4, 1991.
4. Fornasier VL, Sanders G, and Goodman SB: Histological Techniques for the Study of the Biomaterial Tissue Interface for the Preservation of Bone Cement. 17th Annual Meeting of the Society for Biomaterials. Scottsdale, Arizona. May 4, 1991.
5. Goodman SB, Magee FP, and Fornasier VL: Radiological and Histological Assessment of Aseptic Loosening Using a Tibial Hemiarthroplasty Model in the Rabbit Knee. Annual Meeting of the Canadian Association of Pathology. Vancouver, British Columbia. June 24-26, 1991.
6. Fornasier VL, Sanders G, and Goodman SB: Histological Techniques for the Study of the Biomaterial Tissue Interface for the Preservation of Bone Cement. Annual Meeting of the Canadian Association of Pathology. Vancouver, British Columbia. June 24-26, 1991.
7. Goodman SB, Magee FP, Fornasier VL, Chin RC and Chiou SS: Radiological, Histological And Biochemical Assessment of Aseptic Loosening Using a Tibial Hemiarthroplasty Model in the Rabbit Tibia. Transactions of the Combined Meeting of the Orthopaedic Research Society of USA, Japan & Canada. Banff, Canada. October 22, 1991.
8. Roberts MW, Wallace D, Caler WE and Goodman SB: A Biomechanical Comparison of Three Methods of Posterior Fixation for the Unstable Pelvis. American Academy of Orthopaedic Surgeons. Washington D.C. February 20, 1992.
9. Montgomery L, Goodman SB and Csongradi JJ: Late Rupture of the Posterior Cruciate Ligament after Total Knee Arthroplasty. American Academy of Orthopaedic Surgeons. Washington D.C. February 24, 1992.

10. Constantz B, Goodman SB, Gunasekaran S and Barr B: Evaluation of Bioactive Cements Using a Rabbit Femoral Canal Model. Orthopaedic Research Society. Washington D.C. February 17-20, 1992.
11. Goodman SB, Davidson J, Fornasier VL: The Histological Reaction to Titanium Alloy and Hydroxyapatite Particles Implanted in the Rabbit Tibia. The Fourth World Biomaterials Congress. Berlin, Germany. April 24th-28th, 1992.
12. Gunasekaran S, Barr BM, Ison IC, Quiaoit J, Baker JT, McKinney L, Goodman SB, Sumner DR and Constanz B: *In Vivo* Response to Hydroxyapatite Bone Cement: Effect of Calcium Carbonate Aggregates on Resorption. The Fourth World Biomaterials Congress. Berlin, Germany. April 24-28, 1992.
13. Goodman SB, Alpert S, Griffiths G, Issaz S, Lee K, Woolson ST, Schrumman DJ, Maloney W and Weissman I: Immunohistochemical Analysis of the Membrane Surrounding Total Joint Arthroplasties. The Fourth World Biomaterials Congress. Berlin, Germany. April 24-28, 1992.
14. Goodman SB, Roberts M, Wallace D, and Caler W: A Biomechanical Comparison of Three Methods of Posterior Fixation for the Unstable Pelvis. Transactions of the Ninth Combined Meeting of the Orthopaedic Association of the English Speaking World. June 21-26, 1992.
15. Huene D and Goodman SB: Pre-Operative Templating for the Equalization of Leg Length Discrepancy. Transactions of the Ninth Combined Meeting of the Orthopaedic Association of the English Speaking World. June 21-26, 1992.
16. Comstock C, Imrie S, and Goodman SB: A Clinical Study of the "Safe Zone" Using the Direct Lateral Approach for Total Hip Arthroplasty. Transactions of the Ninth Combined Meeting of the Orthopaedic Association of the English Speaking World. June 21-26, 1992.
17. Wang J-S, Goodman SB, Franzen H, Aspenberg P, and Lidgren L: Particles Accumulate Within Cement Voids. 46th Assembly of the Scandinavica Orthopaedic Association. Malmo, Sweden. June 2nd - 5th 1992.
18. Barber TC, Goodman SB, Hewson W, and Schurman DJ: Cervical Collars in Total Hip Arthroplasty: Radiographic Examination of the Collar Bone Interface at Four Year Followup. American Academy of Orthopaedic Surgery. San Francisco, California. February 2, 1993.
19. Goodman SB, Davidson JA, and Fornasier VL: The Histological Reaction to Titanium Alloy and Hydroxyapatite Particles in the Rabbit Tibia. Orthopaedic Research Society. San Francisco, California. February 15 - 18, 1993.
20. Goodman SB, Aspenberg P, Wang JS, Emmanuel J, and Lidgren L: Cement Particles Inhibit Bone Ingrowth into Titanium Chambers Implanted in the Rabbit Tibia. Orthopaedic Research Society. San Francisco, California. February 15 - 18, 1993.
21. Yildiz H, Chang FK, and Goodman SB: A Comparative Study on Femoral Response to Hip Prostheses of Advanced Composites and Metallic Alloys. 19th Annual Society for Biomaterials. Birmingham, Alabama. April 28 - May 2, 1993.

22. Song Y, Goodman SB, and Jaffe RA: Femoral Intramedullary Pressures During Hip Replacement Using Modern Cement Technique. 19th Annual Society for Biomaterials. Birmingham, Alabama. April 28 - May 2, 1993.
23. Goodman SB, Aspenberg P, Doshi A, Wang JS, Emmanuel J, and Lidgren L: Cement Particles Inhibit Bone Ingrowth into Titanium Chambers Implanted in the Rabbit Tibia. 19th Annual Society for Biomaterials. Birmingham, Alabama. April 28 - May 2, 1993.
24. Goodman SB, Davidson JA, Fornasier VL, Mishra AK: The Local and Systemic Responses to Cylinders of a Low Modulus Titanium Alloy (Ti-13Nb-13Zr) and a Wear Resistant Zirconium Alloy (Zr-2.5Nb) Implanted in the Rabbit Tibia. 19th Annual Society for Biomaterials. Birmingham, Alabama. April 28 - May 2, 1993.
25. Goodman SB, Sibley R, Huie P, Lee K, Doshi A, Roshdieh B, Woolson ST, Maloney WJ, Schurman DJ: Loosening and Osteolysis of Cemented Joint Arthroplasties: A Biological Spectrum. 40th Annual Meeting, Orthopaedic Research Society, New Orleans, Louisiana. February 21, 1994.
26. Goodman, SB, Aspenberg P, Song Y, Doshi A, Regula D, Lidgren L: The Effects of Particulate Cobalt Chrome Alloy and High Density Polyethylene on Tissue Ingrowth into the Bone Harvest Chamber in Rabbits. 40th Annual Meeting, Orthopaedic Research Society. New Orleans, Louisiana. February 21, 1994.
27. Mandell JA, Beaupré GS, Goodman SB, Carter DR: Prosthesis Collar Geometry Strongly Affects Initial Stress Shielding and Micromotion. 20th Annual Meeting of the Society for Biomaterials. Boston, Massachusetts. April 4 - 9, 1994.
28. Comstock C, van der Meulen M, and Goodman SB: Biomechanical Comparison of Posterior Internal Fixation Techniques for Unstable Pelvic Fractures. Annual meeting of the American Orthopaedic Association, 1994.
29. Aspenberg, P, Goodman, SB, Wang JS: Different Effect of Callus Deformation During 20 Versus 120 Seconds. 41st Annual Meeting, Orthopaedic Research Society. Orlando, Florida. February 13 - 16, 1995.
30. Goodman SB, Huie P, Song Y: Cellular Profile and Cytokine Production in Tissues Surrounding Revised Cementless Prostheses. 41st Annual Meeting, Orthopaedic Research Society. Orlando, Florida. February 13 - 16, 1995.
31. Goodman SB, Aspenberg P, Song Y, Regula D, Lidgren L: Intermittent Micromotion and Polyethylene Particles Inhibit Bone Ingrowth into Titanium Chambers in Rabbits. 41st Annual Meeting, Orthopaedic Research Society. Orlando, Florida. February 13 - 16, 1995.
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